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Applicant : Weixin Xu et al.  
Serial No. : 10/611,718  
Filed : July 1, 2003  
Title : CRYSTAL STRUCTURES OF KV CHANNEL PROTEINS AND USES  
THEREOF

Art Unit : 1645  
Examiner : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 2-3-04

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 16163-013001	Application No. 10/611,718
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Weixin Xu et al.	
		Filing Date July 1, 2003	Group Art Unit 1645

(37 CFR § 1.98(b))

### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AA	An, et al. <i>Nature</i> (2000) 403, 553-556. Modulation of A-type potassium channels by a family of calcium sensors.
	AB	Babu, Y.S. et al. <i>J. Mol. Biol.</i> (1988) 204, 191-204. Structure of calmodulin refined at 2.2 Å resolution.
	AC	Bixby, KA et al. <i>Nature Struct. Biol.</i> (1999) 6, 38-43. Zn <sup>2+</sup> -binding and molecular determinants of tetramerization in voltage gated K <sup>+</sup> channel.
	AD	Bahring, R. et al. <i>J. Biol. Chem.</i> (2001) 276, 23888-23864. Conserved Kv4 N-terminal Domain Critical for Effects of Kv Channel-interacting Protein 2.2 on Channel Expression and Gating
	AE	Dixon J.E. et al. <i>Circ. Res.</i> (1996) 79, 659-668. Role of the Kv4.3 K <sup>+</sup> Channel in Ventricular Muscle.
	AF	Falherly, K.M. et al. <i>Cell</i> (1993) 75, 709-716. Three dimensional structure of Recoverin, a Calcium Sensor in Vision.
	AG	Gulbis, J.M. et al. <i>Science</i> (2000) 289, 123-127. Structure of the Cytoplasmic $\beta$ Subunit-T1 Assembly of Voltage-Dependent K <sup>+</sup> Channels.
	AH	Hoffman, D.A. et al. <i>Nature</i> (1997) 387, 869-875. K <sup>+</sup> Channel Regulation of Signal Propagation in Dendrites of Hippocampal Pyramidal Neurons.
	AI	Jan, L.Y. and Jan, Y.N. <i>Trends Neurosci.</i> (1990) 13, 415-419. How Might the Diversity of Potassium Channels be Generated?
	AJ	Kreusch, A. et al. <i>Nature</i> (1998) 392, 945-948. Crystal structure of the tetramerization domain of the Shaker potassium channel.
	AK	Li, M. et al. <i>Science</i> (1992) 1225-1230. Specification of subunit assembly by the hydrophilic amino-terminal domain of the Shaker potassium channel
	AL	Pongs, O. et al. <i>Annals of the New York Academy of Sciences</i> (1999) 868, 344-355. Functional and molecular aspects of Voltage-Gated K <sup>+</sup> Channel $\beta$ subunits.
	AM	Serodio, P. et al. <i>J. Neurophys.</i> (1996) 75, 2174-2179. Cloning of a Novel Component of A-Type K <sup>+</sup> Channels Operating at Subthreshold Potentials with Unique Expression in Heart and Brain
	AN	Serodio, P.; Rudy, B. <i>J. Neurophys.</i> (1998) 79, 1081-1091. Differential Expression of Kv4 K <sup>+</sup> Channel Subunits Mediating Subthreshold Transient K <sup>+</sup> (A-type) Currents in Rat Brain
	AO	Shen, N.V. et al. <i>Neuron</i> (1993) 11, 67-76. Deletion Analysis of K <sup>+</sup> Channel Assembly.
	AP	Sheng, M. et al. <i>Neuron</i> (1992), 9, 271-284. Subcellular Segregation of Two A-Type K <sup>+</sup> Channel Proteins in Rat Central Neurons
	AQ	Vijay-Kumar, S.; Kumar, V.D. <i>Nature Struct. Biol.</i> (1999) 6, 80-88. Crystal structure of recombinant bovine neurocalcin.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	